IN THE CLAIMS

Please amend the claims as follows:

1. (original) A record carrier comprising

   - a data area (22) for storing data in the form of marks, in
     which the data is encoded by means of a channel code, wherein
     a parameter of the channel code is controlled so as to
     introduce a predetermined run length distribution in the marks
     on the record carrier, thereby introducing first information
     relating to a watermark, and

   - a non-data area (21,23) comprising second information relating
     to a watermark,

        the first and the second information forming the

watermark.

2. (original) A record carrier as claimed in claim 1, wherein the
first and the second information forming the watermark (34,36) are
orientated with respect to each other.

3. (original) A record carrier as claimed in claim 2, wherein the
first and the second information is orientated with respect to each
other using position information (54) present in the a non-data
area.

4.   (currently amended)   A record carrier as claimed in claim 2 ~~or 3~~, wherein the record carrier further comprises angle information indicating a predetermined angle between the first information and the second information.

5.   (original)   A record carrier as claimed in claim 4, wherein the angle information is used as authentication information.

6.   (currently amended)   A record carrier as claimed in claim 1 ~~or 2~~, wherein the non-data area is an inner-ring area (21) and/or an outer-ring area (23).

7.   (currently amended)   A record carrier as claimed in claim 1 ~~or 2~~, wherein the non-data area is a graphics band, text band, matrix band or identification band.

8.   (original)   A record carrier as claimed in claim 1, wherein the second information comprises picture and/or text information.

9.   (currently amended)   A record carrier as claimed in claim 1 ~~or 2~~, the data area comprising a pattern of substantially parallel tracks, wherein the predetermined run length distribution is

correlated from track to track, so that the first information is
visually detectable.

10.   (currently amended)   A record carrier as claimed in claim 1 or
2, wherein the first information is non-visually detectable.

11.   (currently amended)   A record carrier as claimed in claim 1 or
2, in which the channel code is the EFM channel code as used for
the CD Digital Audio disc, wherein the parameter is the choice of
merging bits.

12.   (currently amended)   A record carrier as claimed in claim 1 or
2, wherein the parameter is the choice between channel words for
information words from alternative tables, for example, information
words 1 up to and including 88 in the EFM+ channel code as used in
DVD, or the choice between sync words or the choice between states.

13.   (original)   A method of providing a watermark on a record
carrier, the method comprising the steps of:
  -   receiving uncoded data,
  -   receiving first information relating to the watermark, which
      first information is to be provided in the encoded data,

- receiving second information relating to the watermark, which second information is to be provided in a non-data area,

- encoding the uncoded data to encoded data by means of a channel code, in which a parameter of the channel code is controlled under the influence of the first information relating to the watermark for introducing a predetermined run length distribution in the marks on the record carrier,

- storing the encoded data on the record carrier,

- storing the second information in the non-data area.